Index of Claims

| App | licatio | n/Contro | l No. |
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|     |         |          |       |

09/854,120

Examiner

Ron E. Pompey

Applicant(s)/Patent under Reexamination

HIRAKATA ET AL.

Art Unit

2812

| <b>√</b> | Rejected |
|----------|----------|
| _        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          |          |              |          |              |  |  |               |                 |          |  |      |          |              |          | _        | _         |          |   |             |          |          |          |          |                |          |         |  |          |              |                     |          |          |
|----------|----------|----------|--------------|----------|--------------|--|--|---------------|-----------------|----------|--|------|----------|--------------|----------|----------|-----------|----------|---|-------------|----------|----------|----------|----------|----------------|----------|---------|--|----------|--------------|---------------------|----------|----------|
| Cla      | aim      | Date     |              |          |              |  |  |               | Claim Date      |          |  |      |          |              |          |          | _         |          | _   | <del></del> |          | _ [      | Date     | <u>e</u> | ,,             |          | ᅵ       |  |          |              |                     |          |          |
| Final    | Original | 8/22/05  | 4/30/06      |          |              |  |  |               |                 |          |  | LIIG | Original |              |          |          |           |          |   |             |          |          | Final    | Original |                |          |         |  |          |              |                     |          |          |
| <b>—</b> | 1        | 1        | 1            | $\vdash$ |              |  |  | $\vdash$      |                 | Н        | $\vdash$                                       |      | 51       |              |          | _        |           |          | $\dashv$  |             |          | _        |          | 10       | 1              | $\top$   | +       | $\vdash$   | ┢═       | -            | $\vdash$            | $\dashv$ | $\dashv$ |
|          | 2        | =        | =            | $\vdash$ |              |  |  |               |                 | $\Box$   |  |      | 52       | _            | _        |          |           |          | $\dashv$  | $\neg$      |          | _        |          | 10       |                | -        | ╁       | $\vdash$   | ├─       | -            | H                   |          | $\dashv$ |
|          | 3        | 1        | 纟            |          |              | t  |  | r             |                 |          |  |      | 53       |              |          |          |           |          |   |             |          | _        |          | 10       |                | _        | +-      | <u> </u>   | 一        |              |                     |          | T        |
|          | 4        | =        | Z            |          |              |  |  |               |                 |          |  |      | 54       |              |          |          |           |          | T   |             |          |          |          | 10       |                |          |         |  | Г        |              | П                   |          | П        |
|          | -5-      | 0        | Γ.           |          |              |  |  |               |                 |          |  |      | 55       |              |          |          |           |          | T   |             |          |          |          | 10       |                |          | 1       |  | Π        |              |                     |          | П        |
|          | 6        | 1        | V            |          |              | П  |  |               |                 |          |  |      | 56       |              |          |          |           |          |   |             |          |          |          | 10       | 6              |          | 1       | Î  |          |              |                     |          |          |
|          | 7        |          | V            |          |              |  |  |               |                 |          |  |      | 57       |              |          |          |           |          |   |             |          |          |          | 10       |                |          |         |  |          |              |                     |          |          |
|          | 8        | √        | <b>V</b>     |          |              |  |  |               |                 |          |  |      | 58       |              |          |          |           |          |   |             |          |          |          | 10       |                |          |         |  |          |              |                     |          | į        |
|          | 9        | 0        | 0            |          |              |  |  |               |                 |          |  |      | 59       |              |          |          |           |          |   |             |          |          |          | 10       |                |          |         |  |          |              |                     |          |          |
|          | 10       |          | Ш            |          | <u> </u>     |  |  |               | Ш               |          |  |      | 60       |              |          |          |           |          | _   |             |          | _        |          | 11       |                | $\perp$  |         |  | <u> </u> |              |                     |          |          |
|          | 11       |          | Щ            |          | <u> </u>     |  |  |               |                 |          |  |      | 61       |              |          |          |           |          | 4   |             |          | _        |          | 11       |                |          |         |  |          |              |                     |          |          |
| <u> </u> | 12       |          | $\coprod$    | _        | <u> </u>     | ļ  | _  | _             | _               |          |  |      | 62       |              |          |          |           | _        | _   | _           |          | _        |          | 11       |                |          |         | _  |          |              |                     |          | Ш        |
|          | 13       | <u> </u> | Ļ            | _        | <u> </u>     | <u> </u>   | _  | <u> </u>      | Щ               |          | <u> </u>                                       | _    | 63       |              |          |          |           | _        | _   |             | _        | _        |          | 11       |                | _        | 1       | <u> </u>   | <u> </u> | _            | Ш                   | _        | =        |
|          | 14       | 0        | ٥            |          |              |  | _  |               | Ш               |          | ⊢  |      | 64       |              |          |          | Ш         | _        | _   | _           |          | _        | <u> </u> | 11       |                |          | ļ.,     | <u> </u>   |          |              | _                   |          | Щ        |
| <u> </u> | 15       |          |              | _        | <u> </u>     | L  | -  | _             |                 |          | -  |      | 65       |              |          |          | -         | -        | $\dashv$  | _           | $\dashv$ | _        | -        | 11       | 5              | _        | $\perp$ | <u> </u>   |          | _            |                     | -        |          |
|          | 16       | <u> </u> | <del> </del> |          |              | ├-   |  | ├             |                 |          | $\vdash$                                       | _    | 66       |              |          | _        |           |          | -   |             |          |          |          | 11       |                | +        | +       | -  | _        | _            |                     | _        | $\vdash$ |
| -        | 17       | $\vdash$ |              |          | ┝            | ┢  |  | H             | Н               |          | -  |      | 67       |              |          |          |           | $\dashv$ | $\dashv$  | -           |          | -        | -        | 11       |                |          | ╄       | -  |          | -            |                     | _        | $\dashv$ |
| <u> </u> | 18       | <u> </u> | _            | -        | $\vdash$     | ┡  | <u> </u>   |               | Н               | $\dashv$ | -  |      | 68       |              | _        | -        | Н         | -        | +   | $\dashv$    | $\dashv$ | -        | -        | 11       |                | +        | ╁       | ├  | <u> </u> | -            |                     | _        | $\dashv$ |
| $\vdash$ | 19       |          |              | $\vdash$ | ┝            | $\vdash$   |  | $\vdash$      | Н               | $\dashv$ | -  | _    | 69       | -            |          | _        | -         | $\dashv$ | -   | $\dashv$    | $\dashv$ | -        | -        | 11       |                | +        | +       | -  |          | -            |                     | $\dashv$ | -        |
| -        | 20       | <u> </u> | -            | <u> </u> |              | ├  | ⊢  | <del> </del>  |                 | ш        |  | _    | 70<br>71 |              | -        |          | $\vdash$  |          | $\dashv$  |             |          |          |          | 12<br>12 | 4              |          | ╁       | -  | -        | 1            |                     | -        | -        |
| -        | 22       | -        |              |          | <del> </del> |  |  | ├-            |                 | $\dashv$ |  | _    | 72       | -            | -        | _        | Н         | $\dashv$ | -   |             | $\dashv$ |          | _        | 12       |                |          | ╂       |  |          |              |                     | -        | $\dashv$ |
| <u> </u> | 23       | ┢        | ├            |          | ┝            | ╁  | ├  | ⊢             |                 | Н        | -  |      | 73       |              |          |          |           |          | $\dashv$  | $\dashv$    | -        |          |          | 12       |                |          | +       | ├-   |          | $\vdash$     |                     | $\dashv$ | $\dashv$ |
| -        | 24       | $\vdash$ |              | H        | ┢            | ┢╌   | ┢一   | ┼             | $\vdash$        | $\dashv$ | -  |      | 74       |              | -        |          |           | $\dashv$ | -   |             | $\dashv$ | $\dashv$ | <b>—</b> | 12       |                | - -      | ╁       | $\vdash$   |          | $\vdash$     | H                   | 一        | 一        |
| <b>-</b> | 25       |          |              |          | _            | $\vdash$   | -  |               | Н               | Н        |  |      | 75       | <u> </u>     |          | _        |           |          | 十   |             | -        | -        | -        | 12       |                | - -      | +       | ╁  |          | $\vdash$     |                     |          | $\dashv$ |
| $\vdash$ | 26       | $\vdash$ | _            | _        | $\vdash$     | ┢  |  | $\vdash$      | Н               | $\dashv$ | -  | _    | 76       | -            | _        | _        | $\vdash$  |          | 十   |             | $\dashv$ | $\dashv$ | _        | 12       | <del>6</del> + |          | +       | ┢  |          | $\vdash$     | -                   | -        | $\dashv$ |
| -        | 27       |          |              |          | $\vdash$     | <u> </u>   |  |               |                 | Н        | <u> </u>                                       |      | 77       | _            |          |          |           | -        | 十   |             | _        | _        |          | 12       | <del>7</del> † | _        | +-      |  |          | -            | $\dashv$            | $\neg$   | $\dashv$ |
| -        | 28       | $\vdash$ | $\vdash$     | $\vdash$ | ┢╌           | <del>                                     </del> | $\vdash$   | -             | -               | $\dashv$ | <u> </u>                                       | -    | 78       | _            |          |          | $\vdash$  |          | -   |             |          | $\dashv$ |          | 12       |                |          | ┿       | <del> </del>                                     |          | -            | $\dashv$            |          | =        |
|          | 29       |          |              | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$      | Н               | $\dashv$ | <u> </u>                                       |      | 79       | _            |          |          |           | $\neg$   | $\dashv$  | $\dashv$    | $\dashv$ | $\neg$   |          | 12       |                | +        | +-      | <del>                                     </del> | -        | $\vdash$     |                     | _        |          |
|          | 30       |          |              |          | <u> </u>     | <del>                                     </del> | Г  |               |                 | $\dashv$ |  |      | 80       |              |          |          |           | $\neg$   | 寸   |             |          |          |          | 13       |                | _ _      | +-      |  |          | _            | $\neg$              |          |          |
|          | 31       |          | _            | _        | _            | ⇈  | <del>                                     </del> |               | П               |          | <del>                                   </del> | _    | 81       | _            |          | _        |           | $\neg$   | _   |             |          | $\neg$   |          | 13       |                |          | +-      | _  |          | _            |                     |          | _        |
|          | 32       |          |              |          |              | T  |  |               |                 |          |  |      | 82       |              |          |          |           | $\neg$   | 寸   | T           | $\neg$   |          |          | 13       | 2              |          | T       | _  |          | $\vdash$     |                     |          |          |
|          | 33       |          |              | •        |              |  |  |               | П               |          |  |      | 83       |              |          |          |           | 一        | T   | $\neg$      | $\Box$   |          |          | 13       |                |          | Τ       | T  |          |              | П                   |          | _        |
|          | 34       |          | L            |          |              |  |  |               |                 |          |  |      | 84       |              |          |          |           |          |   |             | $\Box$   |          |          | 13       | 4              |          |         |  |          |              |                     |          |          |
|          | 35       |          |              |          |              |  |  |               |                 |          |  |      | 85       |              |          |          |           |          |   |             | ╛        |          |          | 13       | 5              |          |         |  |          |              |                     |          |          |
|          | 36       |          |              |          |              |  |  |               |                 |          |  |      | 86       |              |          |          |           |          |   |             |          |          |          | 13       |                |          |         |  |          |              |                     |          |          |
|          | 37       |          |              |          |              |  |  |               |                 |          |  |      | 87       |              |          |          |           |          | $oldsymbol{ol}}}}}}}}}}}}}}}$ |             |          |          |          | 13       |                |          |         |  |          |              |                     |          |          |
|          | 38       |          |              |          | 匚            | 匚  | 匚  |               |                 |          |  |      | 88       |              |          |          |           | $\Box$   | $\bot$  |             | $\Box$   | _]       |          | 13       |                |          |         | 匚  | 匚        |              |                     |          |          |
| L        | 39       |          |              | Ш        | _            | <u> </u>   | _  | Ш             | Ш               |          | L  | _]   | 89       |              | Ш        |          |           |          | $\perp$   |             | [        | $\Box$   | <u></u>  | 13       | 9              |          | $\perp$ |  |          |              |                     |          |          |
|          | 40       | <u> </u> |              | Ш        | _            | L  |  | Ш             | Ш               | Щ        | $\perp$  | _    | 90       | Ь.           | L_,      |          |           | _        | _   | _           | $\dashv$ | _        | L_       | 14       |                | $\perp$  | $\perp$ | _  | _        |              | Ш                   |          |          |
| <u></u>  | 41       | <u> </u> | <u> </u>     |          | <u> </u>     | <u> </u>   | <u> </u>   | Ш             | Щ               | Щ        | <u> </u>                                       | 4    | 91       |              |          | Ш        |           |          | 4   |             |          | _        |          | 14       |                |          | 1       |  | <u> </u> | _            | Ш                   |          |          |
| <u> </u> | 42       | <u> </u> | <u> </u>     | L        | _            | <u> </u>   | <u> </u>   | Щ             | Ш               | Щ        | <u> </u>                                       | _    | 92       | $oxed{oxed}$ | Щ        |          |           |          | _   |             | _        | $\dashv$ | <u> </u> | 14       |                | 4        |         | _  |          | <u> </u>     | $\sqcup \downarrow$ |          | $\dashv$ |
| <u> </u> | 43       |          | L            | Щ        | L_           | <b> </b>   | <u> </u>   | _             | Ш               | Ш        | $\perp$  | _    | 93       |              | <u> </u> | Ш        |           | _        | $\dashv$  | _           |          | _        | ļ        | 14       |                | _ _      | ╀       | <u> </u>   |          | <u> </u>     | $\sqcup$            | ļ        | 凵        |
| <u> </u> | 44       |          | $\vdash$     | Ш        | <u> </u>     | <u> </u>   | <u> </u>   | Ш             | Ш               | Ц        | <u> </u>                                       | _    | 94       | _            | <u> </u> | Щ        |           |          | _+  | 4           | _        |          | <u> </u> | 14       | 4              | $\bot$   | ╄.      | ├  | _        | <u> </u>     | $\sqcup$            | _        |          |
|          | 45       |          |              |          |              | <u> </u>   | <u> </u>   | $\sqsubseteq$ | $\dashv$        |          | _  | _    | 95       |              |          | $\vdash$ |           | _        | _   | _           | _        | $\dashv$ | <u> </u> | 14       | 5              | $\bot$   | +       | <u> </u>   | <u> </u> | <u> </u>     |                     |          |          |
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| <u> </u> | 47       | $\vdash$ | $\vdash$     | Н        | _            | <u> </u>   | $\vdash$   | $\vdash$      | $\sqcup$        | Щ        | <u> </u>                                       | 4    | 97       | -            | Ь        | Н        |           | $\dashv$ | $\dashv$  | 4           | $\dashv$ | $\dashv$ | <u> </u> | 14       |                | +        | +       | ├-   | <u> </u> | <del> </del> | $\vdash \downarrow$ |          |          |
| <u> </u> | 48       | _        | H            | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>   |               | $\vdash \vdash$ | $\dashv$ | -  | 4    | 98       |              |          |          | $\square$ | -        | -   | _           | _        | $\dashv$ | <u> </u> | 14       |                |          | +       | ├-   | <b>—</b> | ⊢            | $\vdash \dashv$     | 4        | $\dashv$ |
|          | 49       | <u> </u> | $\vdash$     | $\vdash$ | <u> </u>     | ⊢  | ├—   | $\vdash$      | $\vdash \vdash$ | $\dashv$ | -  | -    | 99       |              | $\vdash$ |          |           |          | +   | _           | $\dashv$ | $\dashv$ | <u> </u> | 14       | 쒸              | $\dashv$ |         | ├-   | -        | ├-           | $\vdash \downarrow$ | _        | $\dashv$ |
| 1 .      | 50       | 1        |              | 1        |              | 1  | l  | 1 1           |                 | 1        | - 1  |      | 100      | 1            | 1        |          |           | - !      | - 1   |             | - 1      | 1        | 1        | 15       | υi             | - 1      | 1       | ı  | 1        | ı            |                     | - 1      | . 1      |